NEW

New Natural Gas Solution GS16R2-MPTK

Turbocharger

Cylinder heads

Applications

- Tug
- Ferry
- Coasters
- Inland Cargo Vessels
- Offshore Supply Vessels
- LNG carriers and many more

Features

- Higher thermal efficiency
- Highly efficient turbocharger
- Lower exhaust gas emissions
- Ultra lean burn gas - to - air ratio

Specifications

- Gas electric propulsion / auxiliary use
- Equipped with high-performance proprietary turbochargers

technical information

		GS6R-MPTK	GS6R2-MPTK	GS12R-MPTK	GS16R-MPTK	**GS16R2-MPTK**
Type		4-cycle, intercooled, Natural Gas engine	4-cycle, intercooled, Natural Gas engine	4-cycle, intercooled, Natural Gas engine	4-cycle, intercooled, Natural Gas engine	4-cycle, intercooled, Natural Gas engine
Aspiration		Turbocharged	Turbocharged	Turbocharged	Turbocharged	Turbocharged
Number of cylinders		6	6	12V	16V	16V
Bore x stroke mm		170x180	170x220	170x180	170x180	170x220
Displacement Ltr		24,52	29,96	49,03	65,37	79,9
Combustion system		Prechamber, Spark Ignited	Prechamber, Spark Ignited	Prechamber, Spark Ignited	Prechamber, Spark Ignited	Prechamber, Spark Ignited
Fuel		Natural Gas	Natural Gas	Natural Gas	Natural Gas	Natural Gas
Dry weight 50Hz / 60Hz kg		2400 / 2400	2650 / 2650	5350 / 5350	6770 / 6830	8105 / 7845
Continuous 'C' power rating output kWm hp	50Hz 1500rpm	363	na	722	959	1563
	60Hz 1200rprn	315	394	632	845	1250
Emission compliance		—	—	—	—	—
Dimensions mm	L x H x W	1797 x 1638 x 1088	1864 x 1718 x 1063	2421 x 2137 x 1832	2901 x 2137 x 1899	3067 x 2301 x 1980

Introducing new built-to-last, dependable Gas Engine Solution

Since 1999, we have delivered gas engines to currently nine out of the seventeen Norwegian LNG-fuelled car/passenger ferries.

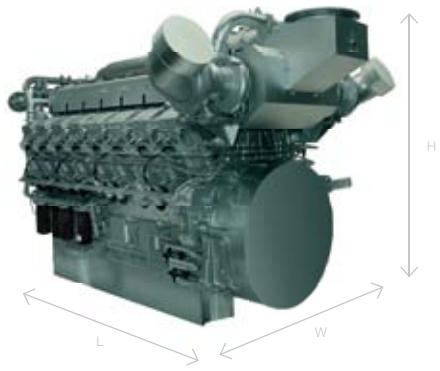
Mitsubishi gas engines power the world's first LNG-fuelled RoRo passenger ferry, Norway's 94m Glutra, operating in Møre and Romsdal since 2000. Built at the former Langstein Aker Yards, the ferry features four Mitsubishi lean burn LNG engines, each generating 675 kW. Other deliveries include the Moldefjord (built by Poland's Remontowa) and the Tidekongen (built by STX France Lorient). We offer gas engine solutions from 300 to over 1000 kW and are expanding the gas engine line-up.

Proximity and Ease

All new engine models are equipped with high performance turbochargers. Mitsubishi Turbocharger and Engine Europe b.v. 's turbochargers are manufactured at the same plant in which the engines are produced. This close proximity of design and production results in the ideal turbocharger match for each engine, maximizing overall performance.

Miller Cycle

We offer high performance Natural Gas engines which are available in 6,12 and 16 cylinders and an output range in the 360 kW to 1.5 MW region (output depending on Frequency (Hz) requested). We have been able to accomplish this by applying the Miller Cycle to the engine coupled with high efficiency turbochargers and efficient gas engine control technology.



GS16R2-MPTK

GL ISO 9001 ISO 14001
GL Systems Certification

MITSUBISHI TURBOCHARGER AND ENGINE EUROPE B.V.

Headquarters Engine, Genset & Powerplant Division Europe, Middle East and Africa

Damsluisweg 2
1332 EC Almere
P.O. Box 30101
1303 AC Almere
The Netherlands

Phone: +31 (0)36 5388311
Fax: +31 (0)36 5388342

www.mtee.eu

MHI MITSUBISHI HEAVY INDUSTRIES GROUP